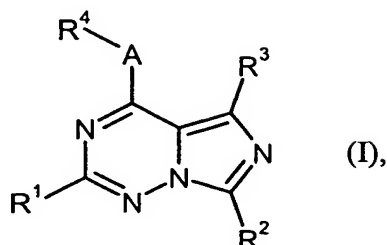


**Patent claims**

1. A compound of the formula

5



in which

10  $R^1$  denotes 5- to 10-membered heteroaryl, which can be substituted by up to 3 substituents selected independently of one another from the group consisting of oxo, halogen, carbamoyl, cyano, hydroxyl, (C<sub>1</sub>-C<sub>6</sub>-alkyl)carbonyl, trifluoromethyl, trifluoromethoxy, nitro, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy and -NR<sup>5</sup>R<sup>6</sup>,

15 where

$R^5$  and  $R^6$  independently of one another denote for C<sub>1</sub>-C<sub>6</sub>-alkyl or

20  $R^5$  and  $R^6$ , together with the nitrogen atom to which they are bonded, denote a 5 to 8-membered heterocycle, which is optionally substituted by C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>1</sub>-C<sub>6</sub>-hydroxyalkyl,

$R^2$  denotes C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>3</sub>-C<sub>4</sub>-cycloalkyl,

25  $R^3$  denotes methyl,

A denotes oxygen or NH,

and

5             $R^4$  denotes  $C_6$ - $C_{10}$ -aryl, which can be substituted by up to 3 substituents selected independently of one another from the group consisting of halogen, formyl, carboxyl, carbamoyl, cyano, hydroxyl, trifluoromethyl, trifluoromethoxy, nitro,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy, 1,3-dioxapropane-1,3-diyl,  $C_1$ - $C_6$ -alkylthio and  $-NR^7R^8$ ,

10           in which

$R^7$  and  $R^8$  independently of one another denote hydrogen,  $C_1$ - $C_6$ -alkyl or  $C_1$ - $C_6$ -alkylcarbonyl,

and their salts, solvates and/or solvates of the salts.

15

2.        A compound as claimed in claim 1, where

20            $R^1$  denotes 5- to 10-membered heteroaryl, which can be substituted by up to 3 substituents selected independently of one another from the group consisting of oxo,  $C_1$ - $C_6$ -alkyl,  $C_1$ - $C_6$ -alkoxy and  $-NR^5R^6$ ,

where

25            $R^5$  and  $R^6$  independently of one another denote  $C_1$ - $C_6$ -alkyl or

$R^5$  and  $R^6$ , together with the nitrogen atom to which they are bonded, form a 5 to 8-membered heterocycle, which is optionally substituted by  $C_1$ - $C_6$ -alkyl or  $C_1$ - $C_6$ -hydroxyalkyl,

30            $R^2$  denotes  $C_1$ - $C_6$ -alkyl,

$R^3$  denotes methyl,

A denotes oxygen or NH,

5 and

$R^4$  denotes phenyl, which can be substituted by up to 3 substituents selected independently of one another from the group consisting of halogen, C<sub>1</sub>-C<sub>6</sub>-alkyl and C<sub>1</sub>-C<sub>6</sub>-alkoxy,

10

and their salts, solvates and/or solvates of the salts.

3. A compound as claimed in claim 1 and 2, where

15

$R^1$  denotes thienyl, furyl, thiazolyl or pyridyl, which in each case can be substituted by up to 2 substituents selected independently of one another from the group consisting of oxo, C<sub>1</sub>-C<sub>6</sub>-alkyl, C<sub>1</sub>-C<sub>6</sub>-alkoxy and -NR<sup>5</sup>R<sup>6</sup>,

20

where

$R^5$  and  $R^6$  independently of one another denote C<sub>1</sub>-C<sub>6</sub>-alkyl or

25

$R^5$  and  $R^6$ , together with the nitrogen atom to which they are bonded, form a 5 to 8-membered heterocycle, which is optionally substituted by C<sub>1</sub>-C<sub>6</sub>-alkyl or C<sub>1</sub>-C<sub>6</sub>-hydroxyalkyl,

$R^2$  denotes C<sub>1</sub>-C<sub>6</sub>-alkyl,

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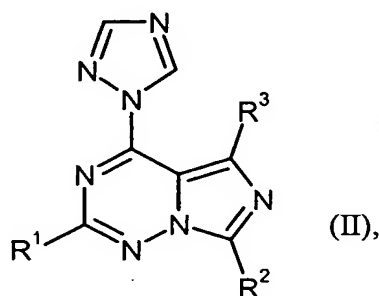
$R^3$  denotes methyl,

A denotes oxygen or NH,

R<sup>4</sup> denotes phenyl, which is substituted by up to 3 C<sub>1</sub>-C<sub>6</sub>-alkoxy radicals,

5 and their salts, solvates and/or solvates of the salts.

4. A process for the preparation of compounds as claimed in claim 1, characterized in that compounds of the general formula



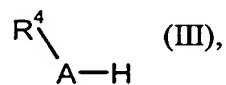
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in which

R<sup>1</sup>, R<sup>2</sup> and R<sup>3</sup> have the meanings indicated in claim 1,

15

are reacted with compounds of the formula



20

in which

R<sup>4</sup> and A have the meanings indicated in claim 1,

to give compounds of the formula (I) and these are optionally reacted with the appropriate (i) solvents and/or (ii) bases or acids to give their solvates, salts and/or solvates of the salts.

- 5        5.        A compound as claimed in one of claims 1 to 3 for the treatment and/or prophylaxis of diseases.
- 10       6.        A medicament containing at least one of the compounds as claimed in one of claims 1 to 3 and at least one pharmaceutically tolerable, essentially nontoxic vehicle or excipient.
- 15       7.        The use of the compounds as claimed in one of claims 1 to 3 for the production of a medicament for the treatment and/or prophylaxis of neurodegenerative disorders.
- 15       8.        The use of the compounds as claimed in one of claims 1 to 3 for the production of a medicament for the treatment and/or prophylaxis of cancer, neurodegenerative disorders and psychiatric disorders.
- 20       9.        The use as claimed in claim 7, where the neurodegenerative disorder is Parkinson's disease.
- 20       10.       The use as claimed in claim 8, where the psychiatric disorder is schizophrenia.
- 25       11.       A process for the control of cancer, neurodegenerative disorders and psychiatric disorders in a human or animal by administration of an efficacious amount of the compounds from claims 1 to 3.
- 30       12.       The process as claimed in claim 11, where the neurodegenerative disorder is Parkinson's disease.

13. The process as claimed in claim 11, where the psychiatric disorder is schizophrenia.